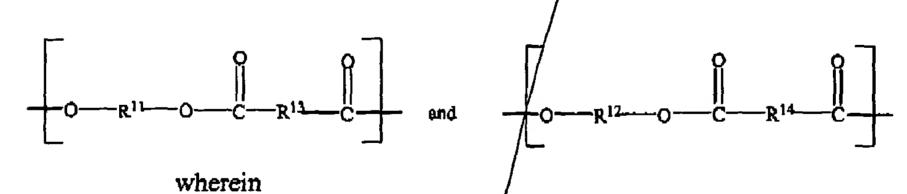


IN THE CLAIMS

Please cancel claims 6, 19 and 23, without prejudice.

Please amend claims 1, 7, 10 and 22 as follows:

- 1. (Amended) A method for slowing the degradation rate of a biodegradable polymer composition wherein the method comprises:
 - a. introducing a phenol-containing compound comprising terpene-phenol resin into a biodegradable polymer or biodegradable polymer composition in an amount sufficient to slow the degradation rate of the biodegradable polymer or biodegradable polymer composition; and
 - b. mixing the phenol-containing compound with the biodegradable polymer or biodegradable polymer composition; wherein the biodegradable polymer or biodegradable polymer composition comprises one or more of:
 - 1. an aliphatic-aromatic copolyester having repeat units of the following structures:



(i) R¹¹ and R¹² are the same or different, and are residues of one or more of diethylene glycol, propylene glycol, 1,3-propanediol, 2,2-dimethyl-1,3-propanediol, 1,3-butanediol, 1,4-butanediol, 1,5-pentanediol, 1,6-hexanediol, 2,2,4-trimethyl-1,6-hexanediol, thiodiethanol, 1,3-cyclohexanedimathanol, 1,4-



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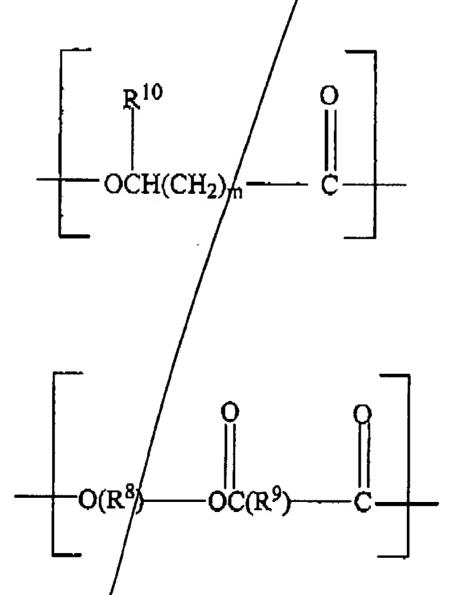
cyclohexanedimethanol, 2,2,4,4-tetramethyl-1,3-cyclobutanediol, triethylene glycol, or tetraethylene glycol;

- (ii) R³¹ and R¹² are 100% of the diol components in the copolyester;
- (iii) R^{13} is absent or is selected from one or more of the groups consisting of C_1 C_{12} alkylene or oxyalkylene; C_1 C_{12} alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo, C_6 C_{10} aryl, and C_1 C_4 alkoxy; C_5 C_{10} cycloalkylene; and C_5 C_{10} cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo, C_6 C_{10} aryl, and C_1 C_4 alkoxy; and
- (iv) R^{14} is selected from one or more of the groups consisting of $C_6 C_{10}$ aryl, and $C_6 C_{10}$ aryl substituted with one to four substituents independently selected from the group consisting of halo, $C_1 C_4$ alkyl, and $C_1 C_4$ alkoxy, an aliphatic polyester having repeat units of one or more of the

following structures:

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2.

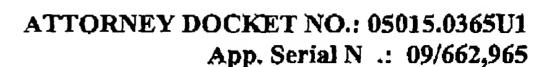


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wherein m is an integer of from 0 to 10, and R10 is selected from the group consisting of hydrogen; C1-C12 alkyl; C1-C12 alkyl substituted with one to four substituents independently selected from the group consisting of halo, C6-C10 aryl, and C1-C4 alkoxy; C5-C10 cycloalkyl; and C5-C10 cycloalkyl substituted with one to four substituents independently selected from the group consisting of halo, C6-C10 aryl, and C1-C/alkoxy, wherein R⁸ is selected from the group consisting of C₂-C₁₂ alkylene or C₂-C₁₂ oxyalkylene; C₂-C₁₂ alkylene or C₂-C₁₂ oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo, C6-C10 aryl, and C1-C4 alkoxy; C5-C10 cycloalkylene; C5-C10 cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo, C6-C10 aryl, and C1-C4 alkoxy, and wherein R9 is absent or is selected from one or more of the group consisting of C1-C12 alkylene/or oxyalkylene; C1-C12 alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkoxy; C5-C10 cycloalkylene; and C5-C10 cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkoxy; and a C_1 - C_{10} cellulose ester having a DS equal to or less than about 2.5.

7. (Amended) The method of claim 1 wherein the biodegradable polymer or biodegradable polymer composition comprises the aliphatic-aromatic copolyester and wherein R¹¹ and R¹² are the same or different, and are selected from consisting of residues of one or more of glycol, propylene glycol, 1,3and wherein R11 and R12 are the same of different, and are selected from the group propanediol, 1,3-butanediol, and 1/4-butanediol, R13 is selected from the group consisting of malonic acid, succipic acid, glutaric acid, adipic acid, pimelic acid,

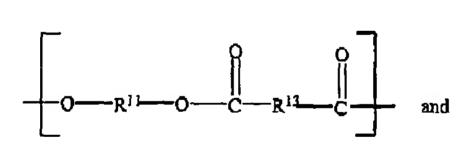


 a^2

2,2-dimethyl glutaric acid, diglycolic acid, and an ester forming derivative thereof, and R¹⁴ is selected from the group consisting of one or more of 1,4-terephthalic acid, 1,3-terephthalic acid, 2,6-naphthoic acid, 1,5-naphthoic acid, and an ester forming derivative thereof.

- 10. (Amended) A method for slowing the degradation rate of a biodegradable polymer or polymer composition, wherein the method comprises:
 - (a) introducing a phenol-containing compound into a biodegradable polymer or polymer composition in an amount sufficient to slow the degradation rate of the biodegradable polymer or polymer composition; and
 - (b) mixing the phenol-containing compound with the biodegradable polymer or polymer composition, wherein the biodegradable polymer comprises one or more of the following:
- 23

1. an aliphatic-aromatic copolyester having repeat units of the following structures:



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wherein

- (i) R¹¹ and R¹² are the same or different, and are residues of one or more of diethylene glycol, propylene glycol, 1,3-propanediol, 2,2-dimethyl-1,3-propanediol, 1,3-butanediol, 1,4-butanediol, 1,5-pentanediol, 1,6-hexanediol, 2,2,4-trimethyl-1,6-hexanediol, thiodiethanol, 1,3-cyclohexanedimathanol, 1,4-cyclohexanedimethanol, 2,2,4,4-tetramethyl-1,3-cyclobutanediol, triethylene glycol, or tetraethylene glycol;
- (ii) R¹¹ and R¹² are/100% of the diol components in the copolyester;
- (iii) R^{13} is absent or is selected from one or more of the groups consisting of C_1 C_{12} alkylene or oxyalkylene; C_1 C_{12} alkylene or



oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo, C_6 - C_{10} aryl, and C_1 - C_4 alkoxy; C_5 - C_{10} cycloalkylene; and C_5 - C_{10} cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo, C_6 - C_{10} aryl, and C_1 - C_4 alkoxy; and (iv) R^{14} is selected from one or more of the groups consisting of C_6 - C_{10} aryl, and C_6 - C_{10} aryl substituted with one to four substituents

(iv) R² is selected from one or more of the group's consisting of C_6 - C_{10} aryl, and C_6 - C_{10} aryl substituted with one to four substituents independently selected from the group consisting of halo, C_1 - C_4 alkyl, and C_1 - C_4 alkoxy;

2) an aliphatic polyester having repeat units of one or more of the following structures:



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or

wherein m is an integer of from 0 to 10, and R10 is/selected from the group consisting of hydrogen; C1-C12 alkyl; C1-C12 alkyl substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkoxy; C₅-C₁₀ cycloalkyl; and C₅-C₁₀ cycloalkyl substituted with one to four substituents independently selected from the group consisting of halo, C_6 - C_{10} aryl, and C_1 - C_4 alkoxy, wherein R⁸ is selected from the group consisting of C₂-C₁₂ alkylene or C₂-C₁₂ oxyalkylene; C₂-C₁₂ alkylene or C₂-C₁₂ oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkexy; C₅-C₁₀ cycloalkylene; C₅-C₁₀ cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkoxy, and wherein R9 is absent or is selected from one or more of the group consisting of C₁-C₁₂ alkylene or oxyalkylene; C₁-C₁₂ alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkoxy; C₅-C₁₀ cycloalkylene;/and C₅-C₁₀ cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo, C_6 - C_{10} aryl, and C_7 - C_4 alkoxy; and

3) C₁-C₁₀ ce/lulose ester having a DS equal to or less than about 2.5.

22. (Amended) A biodegradable polymer composition comprising:

B

a.

a phenol-containing compound comprising terpene-phenol resin incorporated in the biodegradable polymer or biodegradable polymer-second material composition, the phenol-containing compound being present at an amount sufficient to slow the degradation rate of the biodegradable polymer or biodegradable polymer second-material composition; and

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- b. a biodegradable polymer or biodegradable polymer-second material composition comprising one or more of the following:
- 1. an aliphatic-aromatic copolyester having repeat units of the following structures:

$$\begin{bmatrix}
0 & R^{11} & O & C & R^{13} & C
\end{bmatrix} \quad \text{and} \quad \begin{bmatrix}
0 & R^{12} & O & C & R^{14} & C
\end{bmatrix}$$

wherein

- (i) R¹¹ and R¹² are the same or different, and are residues of one or more of diethylene glycol, propylene glycol, 1,3-propanediol, 2,2-dimethyl-1,3-propanediol, 1,3-butanediol, 1,4-butanediol, 1,5-pentanediol, 1,6-hexanediol, 2,2,4-trimethyl-1,6-hexanediol, thiodiethanol, 1,3-cyclohexanedimathanol, 1,4-cyclohexanedimethanol, 2,2,4,4-tetramethyl-1,3-cyclobutanediol, triethylene glycol, or tetraethylene glycol;
- (ii) R¹¹ and R¹² are 100% of the diol components in the copolyester;
- (iii) R^{13} is absent or is selected from one or more of the groups consisting of C_1 C_{12} alkylene or oxyalkylene; C_1 C_{12} alkylene or oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo, C_6 C_{10} aryl, and C_1 C_4 alkoxy; C_5 C_{10} cycloalkylene; and C_5 C_{10} cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo, C_6 C_{10} aryl, and C_1 C_4 alkoxy; and
- (iv) R^{14} is selected from one or more of the groups consisting of C_6 C_{10} aryl, and C_6 C_{10} aryl substituted with one to four substituents independently selected from the group consisting of halo, C_1 C_4 alkoxy;

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an aliphatic polyester having repeat units of one or more of the following structures:

or

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wherein m is an integer of from 0 to 10, and R¹⁰ is selected from the group consisting of hydrogen; C₁-C₁₂ alkyl; C₁-C₁₂ alkyl substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkoxy; C₅-C₁₀ cycloalkyl; and C₅-C₁₀ cycloalkyl substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkoxy, wherein R⁸ is selected from the group consisting of C₂-C₁₂ alkylene or C₂-C₁₂ oxyalkylene; C₂-C₁₂ alkylene or C₂-C₁₂ oxyalkylene substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkoxy; C₅-C₁₀ cycloalkylene; C₅-C₁₀ cycloalkylene substituted with one to four substituents independently selected from the group consisting of halo, C₆-C₁₀ aryl, and C₁-C₄ alkoxy, and